

Appl No.: 10/811,595

Atty. Dkt.
PC-1696

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1(Currently Amended). A tent enclosure for protection again biological and chemical airborne agents and nuclear fallout, comprising:

a collapsible frame; and

a flexible and foldable sheet material having walls and a floor that is supported by the frame, the sheet material being impervious to biological and chemical airborne agents, wherein the frame and sheet material form the enclosure having dimensions large enough to protect and that seals occupants from the biological and chemical airborne agents and nuclear fallout; and

a multi-stage air filter system directly connected to the enclosure that includes:

a blower for blowing air into the enclosure and for providing positive pressure inside the enclosure;

a first filter for absorbing substantially all odors entering the enclosure;

a second filter for capturing substantially all radioactive sized particles from entering the enclosure; and

a third filter for killing microbes from entering the enclosure, wherein the multi-stage air filter system cleans contaminated air from entering into the enclosure.

Claim 2(Original). The enclosure of claim 2, wherein the frame includes:

two bendable poles arranged in a cross-configuration to one another, wherein the poles are fit within sleeve portions on the sheet material.

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Claim 3(Currently Amended). The enclosure of claim ~~3~~ 2, wherein each of the poles includes: telescoping rods.

Claim 4(Canceled).

Claim 5(Currently Amended. The enclosure of claim 1, wherein the ~~multilayer-sheet~~ material includes:

a dome shaped walls attached to a floor portion, which forms a sealed enclosure.

Claims 6-7(Canceled).

Claim 8(Currently Amended). The enclosure of claim ~~7~~ 1, further comprising:
a release valve attached to the enclosure for venting excess air pressure from the enclosure.

Claim 9(Currently Amended). The enclosure of claim ~~6~~ 1, wherein the ~~multi-stage air-filter second filter~~ further includes:
a filter that filters out the radioactive sized particles of at least approximately 0.3 microns in size.

Claim 10(Original). The enclosure of claim 1, further comprising:
an assembled size of at least approximately six feet by approximately nine feet wide by approximately seven feet high in order to hold at least two occupants.

Claim 11(Original). The enclosure of claim 1, further comprising:
a watertight and airtight zipper fastener along an opening on at least one outer wall of the enclosure, the zipper for opening and sealing the enclosure.

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Claims 12-19(Cancelled).

Claim 20(New). The enclosure of claim 1, wherein the third filter includes:

a UV(ultraviolet) light source for killing the microbes.

Claim 21(New). The enclosure of claim 1, further comprising: a fourth filter that is electrostatically charged for filtering out additional particles from entering the enclosure.

Claim 22(New). The enclosure of claim 20, wherein the multi-stage air filter system further includes: an output exhaust blower for forming a negative pressure inside the enclosure, and for filtering out contaminated air through the first filter, the second filter and the third filter, in order to prevent the contaminated air from being exhausted out of the enclosure.

Claim 23(New). The enclosure of claim 21, wherein the multi-stage air filter system further includes: an output exhaust blower for forming a negative pressure inside the enclosure, and for filtering out contaminated air through the first filter, the second filter and the third filter, in order to prevent the contaminated air from being exhausted out of the enclosure.

Claim 24(New). An expandable and collapsible tent enclosure for both protecting occupants against biological and chemical airborne agents and nuclear fallout, and for decontaminating contaminated air inside of the enclosure from being exhausted out of the enclosure comprising:

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an expandable and collapsible sealed enclosure having gas impervious flexible walls and floor, having dimensions large enough to protect and seal occupants from the biological and chemical airborne agents and nuclear fallout; and

a multi-stage air filter system directly connected to the enclosure that includes:

a blower for both inputting air into the enclosure and for exhausting air from the enclosure;

an activated carbon filter for absorbing substantially all odors from entering and exiting the enclosure;

a HEPA (High Efficiency Particulate Air) filter for capturing substantially all radioactive sized particles of at least approximately 3 microns in size from entering and exiting the enclosure;

a UV(ultraviolet) light source filter for killing microbes from entering and exiting the enclosure; and

an electrostatically charged filter for capturing additional particles from entering and exiting the structure, wherein the multi-stage air filter system cleans contaminated air from entering and exiting the enclosure.

Claim 25(New). The enclosure of claim 24, wherein the walls of the enclosure move from a collapsed position to an inflated position by the blower blowing the air into the enclosure.

Claim 26(New). An expandable and collapsible tent enclosure for both protecting occupants against biological and chemical airborne agents and nuclear fallout, the enclosure comprising:

an expandable and collapsible sealed enclosure having gas impervious flexible walls and floor, having dimensions large enough to protect and seal occupants from the biological and chemical airborne agents and nuclear fallout; and

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a multi-stage air composite filter system directly connected to the enclosure that includes:

- a blower for providing a positive pressure inside the enclosure;
- a metal screen filter;
- a foam filter;
- an electrostatically charged filter;
- an activated filter for absorbing odors;
- a microbial treated filter; and
- a HEPA (High Efficiency Particulate Air) filter for capturing substantially all radioactive sized particles of at least approximately 3 microns in size from entering and exiting the enclosure, wherein the multi-stage composite air filter system cleans contaminated air from entering and exiting the enclosure.

Claim 27(New). The enclosure of claim 26, further comprising:

- a battery power source for providing power to the blower.

Claim 28(New). The enclosure of claim 26, wherein the foam filter of the multi-stage composite air filter system further comprises:

- a polyurethane open-cell foam filter; and
- a urethane foam filter.

Claim 29(New). The enclosure of claim 26, wherein the activated filter includes:

- a silver activated granulated charcoal filter.

Claim 30(New). The enclosure of claim 26, wherein the walls are formed from gas impervious plastic.